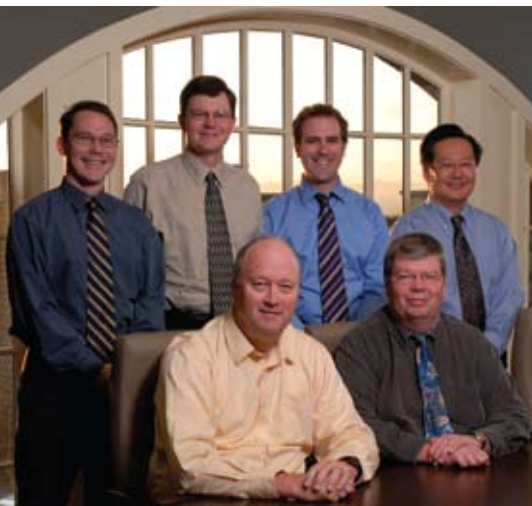


Meet TRA's Neuroradiology and NeuroInterventional Surgery Teams

Diagnosing and Treating Your Patients

Frank Wessbecher, MD
Neuroradiology



TRA's Neuroradiology Specialists

front: Robert Livingston MD, Frank Wessbecher MD
back: Aaron Zima MD, Doug Seiler MD, Jason Allen MD, PhD, Joon Song MD

The specialty of neuroradiology began in 1962 with the first meeting of the American Society of Neuroradiology in New York. It wasn't until 25 years later that TRA hired its first fellowship trained neuroradiologist, Robert Livingston, MD, followed by myself five years after that. With the addition of six fellowship-trained diagnostic neuro-radiologists and neurointerventional surgeons over the past three years, TRA's neuroradiology department has increased dramatically in size and scope.

Expanding our coverage

The implementation of TRA's PACS system in 2002 and its subsequent 2008 replacement with a state of the art McKesson system has allowed TRA to provide greater levels of subspecialized care and enhanced consultative abilities for our clinical colleagues—ultimately benefiting our mutual patients. Additionally, a new downtown administrative center, in the renovated Ford Building, offers central reading rooms and affords us the ability to offer neuroradiologists every day of the week. TRA's diagnostic neuroradiologists supervise and interpret x-rays, CT and MRI of the brain, head, neck and spine, as well as CT-angiography (CTA), MR-angiography (MRA) of the neck and brain and MR spectroscopy. Our neurointerventional surgeons provide a full spectrum of therapy for stroke and neurovascular disease of the brain and spine.

Meet our highly-skilled team of experts

Robert Livingston, MD, who joined TRA in 1987, completed his undergraduate work at Harvard, attended medical school at the University of Pennsylvania, and completed his radiology residency and neuroradiology fellowship at the University of Washington. Robert is a senior member of the American

Society of Neuroradiology and received his Certificate of Added Qualification (CAQ) in neuroradiology in 1995. He is especially interested in 3D CT and MR angiography.

Frank Wessbecher, MD, who joined TRA in 1991, completed his undergraduate work at Georgetown University, then attended medical school at John Hopkins University and a radiology residency at Yale University. He followed his wife to the Pacific Northwest and completed a two year fellowship in neuroradiology at the University of Washington. Frank is a senior member of the American Society of Neuroradiology and holds a CAQ in neuroradiology. He has been on the clinical faculty of the Radiology Department at the University of Washington for 17 years and has won its resident teaching award nine times.

Brian Kott, MD, who joined TRA in 2006, is a PLU graduate who returned to Tacoma to launch TRA's neuro-interventional surgery program. Brian attended medical school at the Medi-



TRA's NeuroInterventional Specialists Brian Kott, MD, and Alison Nohara, MD

cal College of Pennsylvania, and completed his internship, residency and fellowship training at the University of Washington. His fellowships are in diagnostic and interventional neuroradiology. In his two years in Tacoma, Brian has made TRA's stroke services at Tacoma General and St.

Joseph hospitals some of the busiest in the Northwest. He is the principal investigator of the CHOICE and Sapphire carotid stent trials and is currently a principal investigator with a new study involving Wingspan stents for the cerebral arteries.

Jason Allen, MD, PhD, who joined TRA in 2007, has had enough training for three professional careers. Jason completed his undergraduate work at Tulane and also completed a combined MD/PhD in neurosciences at Georgetown University. He then went to New York University and completed a unique program which combined residencies in neurology and radiology, followed by a two-year fellowship. Jason is board certified in both radiology and neurology, and holds a CAQ in neuroradiology. Jason has taken the responsibility for organizing and running TRA's monthly neuroradiology section meetings, and was recently elected as the Radiology Director of St. Anthony Hospital.

Aaron Zima, MD, who joined TRA in 2007, left his life as a research chemical engineer with Merck and Co. to complete medical school, residency and a neuroradiology fellowship at the University of Michigan. While in residency, Aaron won the best research paper at the 2005 meeting of the American Society of Head and Neck Radiology (ASHNR) for work on CT perfusion of head and neck tumors. Aaron holds a CAQ in neuroradiology. In his spare time, he is optimizing the protocols for the 14 MRI and 12 CT scanners in our practice.

Alison Nohara, MD, joined TRA in 2008 to help expand our neurointerventional surgery program. She completed medical school at Columbia University, and began neurosurgery training at the University of Miami prior to switching to a radiology residency at Emory University. Alison completed fellowships in both diagnostic and interventional neuroradiology at the University of Virginia. Prior to joining TRA, she was an assistant



professor at Johns Hopkins University and the medical director of the interventional neuroradiology program at Eden Medical Center in Castro Valley, California. Alison is a senior member of the Society of Neurointerventional Surgery.

Doug Seiler, MD, who joined TRA in 2008, completed his undergraduate work and medical school at Tulane University in New Orleans, where he graduated at the top of his medical school class. Doug went on to complete his residency and neuroradiology fellowship at the University of Washington. Doug was awarded the Radiology Departmental Fellow Teaching Award, selected by the residency class as the radiology fellow best for resident education. He is on the clinical faculty at the University of Washington, where he lectures and presents case conferences for the radiology residents and neuroradiology fellows.

Joon Song, MD, who joined TRA in 2008, has written more than 50 peer-reviewed articles in such prestigious journals as the *New England Journal of Medicine*, *Journal of Neurosurgery*, *Neurosurgery*, and the *American Journal of Neuroradiology*. He attended Massachusetts Institute of Technology for his undergraduate studies, University of California Berkeley for graduate studies, and University of California San Francisco for medical school. He completed his radiology residency and diagnostic neuroradiology fellowship at the University of Washington and a two year neurointerventional fellowship at UCLA, including a year of neurosurgery.

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TRA Medical Imaging is a local partnership of board certified, subspecialized radiology physicians formed in 1943. TRA radiologists also serve: Mary Bridge Children's Hospital, St. Anthony Hospital, St. Clare Hospital, St. Francis Hospital, St. Joseph Medical Center, and Tacoma General Hospital.



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